



# RadChem 2010

## Thursday, April 22, 2010

### Poster Session - Chemistry of Nuclear Fuel Cycle, Nuclear Waste Management - Gallery (12:00 PM - 1:30 PM)

[id] title	presenter	board
[22] Evaluation of dihexyloctanamide as extractant under plutonium rich feed conditions	Dr PATHAK, P.N.	NFC.P01
[142] Pyrochemical and electrochemical separations studies on plutonium (Part 2)	Prof. MOHAMED MOHAMED, Dr.Mr.ASHRAF ELSAYED	NFC.P03
[145] Extraction of Ln/An from highly acidic solutions using cobalt bis(dicarbollide) functionalized with complexing CMPO group.	Mr SELUCKÝ, Pavel	NFC.P04
[167] Study of properties of extraction-chromatographic material TBP-PAN	Mr MAREŠ, Kamil Vavřinec	NFC.P05
[222] Electrochemical behaviour of selected actinides and lanthanides in molten fluoride salts FLiNaK and FLiBe	Mr STRAKA, Martin	NFC.P06
[291] EPR measurements on N-bearing ligands used in spent nuclear fuel reprocessing for An(III)/Ln(III) partitioning	Dr MAZZUCCATO, Matteo	NFC.P07
[342] Removal of Cs, Sr, Pu and Am from contaminated solutions by inorganic sorbents	Dr LUJANIENE, Galina	NFC.P08
[34] Improvement of radionuclide fixation in cement matrixes during immobilization of liquid radioactive waste	Dr SHMIDT, Olga	NFC.P09
[85] The solubility of Ni(II) and Eu(III) in the presence of cement superplasticisers	Dr FELIPE-SOTELO, Monica	NFC.P10
[134] Immobilisation of cesium and divalent metals into single-phase stuffed tridymite-based ceramics	Mr ZARIPOV, Andrey	NFC.P11
[138] Production of artificial metal ruthenium from irradiated technetium	Prof. RADCHENKO, Viacheslav	NFC.P12
[185] Study of new filter properties <sup>137</sup> Cs vapour capture at high temperature	Dr ALOY, Albert	NFC.P13
[230] Radioactive waste destruction using molten salt oxidation	Mr KOVAŘÍK, Petr	NFC.P14
[255] Functionalized latex particles for preparation of colloid-stable nanosized selective sorbents and composite materials for decontamination of radioactive waste	Prof. AVRAMENKO, Valentin	NFC.P15
[49] Study of crystalline ceramics for immobilization of <sup>99</sup> Tc	Mrs KORNEYKO, Yulia	NFC.P18
[6] The sorption of cesium on Beishan soil under different physicochemical conditions studied by batch and EDS techniques	Prof. WU, Wangsuo	NFC.P19
[76] Sorption of radionuclides to the cementitious material NRVB under near-field conditions	Dr FELIPE-SOTELO, Monica	NFC.P21
[111] Sorption properties and behaviour of <sup>137</sup> Cs and <sup>90</sup> Sr on bentonite clays and magnox sludges	Dr EVANS, Nicholas	NFC.P22
[121] Study of cesium and strontium sorption on Rokle bentonite in different electrolytes	Dr JAN, Vejsada	NFC.P23
[224] Sorption behaviour and speciation of neptunium(V) on Opalinus clay	Dr AMAYRI, Samer	NFC.P24
[301] Sorption and diffusion changes of <sup>134</sup> Cs, <sup>99</sup> Tc and <sup>129</sup> I radionuclides on bentonites at various conditions	Ms VIDENSKÁ, Kateřina	NFC.P25

<b>[33] Evolution of the redox potential in the corrosion system</b>	DOBREV, David	NFC.P26
<b>[40] Study of gas generation in real L/ILW containers</b>	Dr MOLNÁR, Mihály	NFC.P27
<b>[86] Qualification of low and intermediate level radioactive wastes (L/ILW) within the framework of the “Demo” project by a Triathler type portable liquid scintillation spectrometer in Püspökszilágy, Hungary</b>	Mr NAGY, Tamás	NFC.P28
<b>[87] „Demo” program in Püspökszilágy, Hungary: Qualification of low and intermediate level radioactive wastes by a field &amp;gamma; spectroscopy system</b>	Mr NAGY, Tamás	NFC.P29
<b>[294] Impact of hydrogen generated by iron corrosion on compacted bentonite in deep geological repository</b>	POLIVKA, petr	NFC.P30
<b>[39] Dissolved gas measurements of the cooling ponds of Paks Nuclear Power Plant, Hungary</b>	Dr MOLNÁR, Mihály	NFC.P31
<b>[74] Using natural organic matter as a remediation material in environmental applications</b>	LESKINEN, Anumaija	NFC.P32
<b>[29] Determination of cation exchange capacity of fucoïdic sands for Cs<sup>+</sup> and <sup>2+</sup> under dynamic column conditions</b>	Dr PALÁGYI, Štefan	NFC.P33